

IN THE ABSTRACT:

Please replace the Abstract with the following amended Abstract (a clean version of the Abstract is at page 10).

-- The present invention realized a communication system and a method for a communication protocol system in which a source node and one or more destination nodes is theoretically connected and data communication between the nodes is controlled on the basis of connection ID for discriminating the logical connection relationships, including a source node, one or more destination nodes and a controller. The controller is adapted to notify the source node and the one or more destination nodes of first information representing the logical connection and second information that is unique to the controller, and the source node is adapted to divide data to be transmitted to the one or more destination nodes into a plurality of segment data, and transfer each of the segment data with the first and second information obtained from by the controller to the one or more destination nodes. In addition, each of the one or more destination nodes includes a receiving buffer, and is adapted to store each segment data in the receiving buffer.

~~Further, there are provided a communication system and a communication protocol in which, even when a plurality of controllers for setting the connection ID are existing on a network, each controller can easily manage the plural connections and the source node and the destination node can easily discriminate the connection set for themselves. --~~